

CITE: 4PM 3 C 074973 1/9
1998**Fig.1A**

G protein	A motif	G	PM 2	B motif	Virus/Protein	A motif	B motif
Consensus	GXXXXGK(S/T)	F	T	DXXG	Consensus	GXXXXGK(S/T)	D/E
Ras family:					P4 Phage/P4 α	GP GGSGKS	D
RAS	GXGGVGKS	F	T	DTAG	HAV/2C	GKRGGGKS	DD
RHO	GDGAXGKT	F/Y	T	DTAG	Polio/2C	GS PG TGKS	MDD
YPT (Rab)	GXXXXGK(S/T)	F/Y	T	DTAG	BPV/NS1	GP ASTGKT	EE
ARF's:	GL DAAGKT		T	DVGG	CPMV/P58	GKS R TGKS	DD
EFT:	GHVDHGKT		T	DCPG	RHDV/2C	GAP G I GKT	DE

Fig.1B**Fig.1C**

HCV/NS4B1	A motif	G	PM2	B motif
Consensus	GSIGLGK	F	T	DAAA
Genotype 1b	GSIGLGK	F	T	DAAA
Genotype 3	GSIGLGR	F	T	DAAA
G129V	VSIGLGK	F	T	DAAA
I131N	GSNGLGK	F	T	DAAA
K135S	GSIGLGS	F	T	DAAA
K135R	GSIGLGR	F	T	DAAA

Figs. 1A-1C

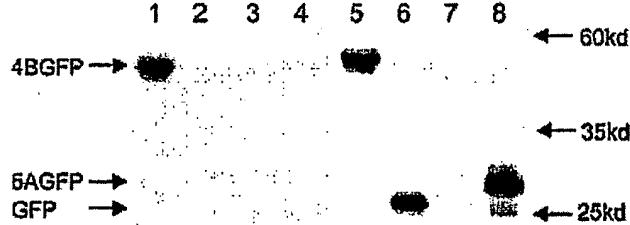
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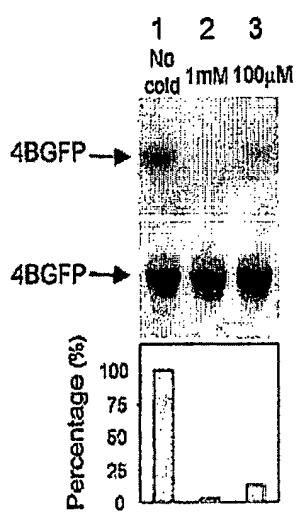
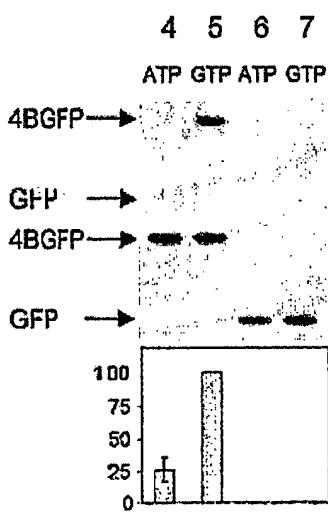
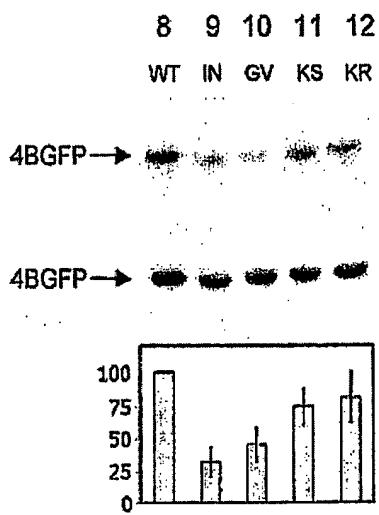
4B: 4AM 21.0 Gray 2/9 0.08%

Fig. 2A Fig. 2B



Figs. 2A and 2B

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Fig. 3A**Fig. 3B****Fig. 3C****Figs. 3A - 3C**

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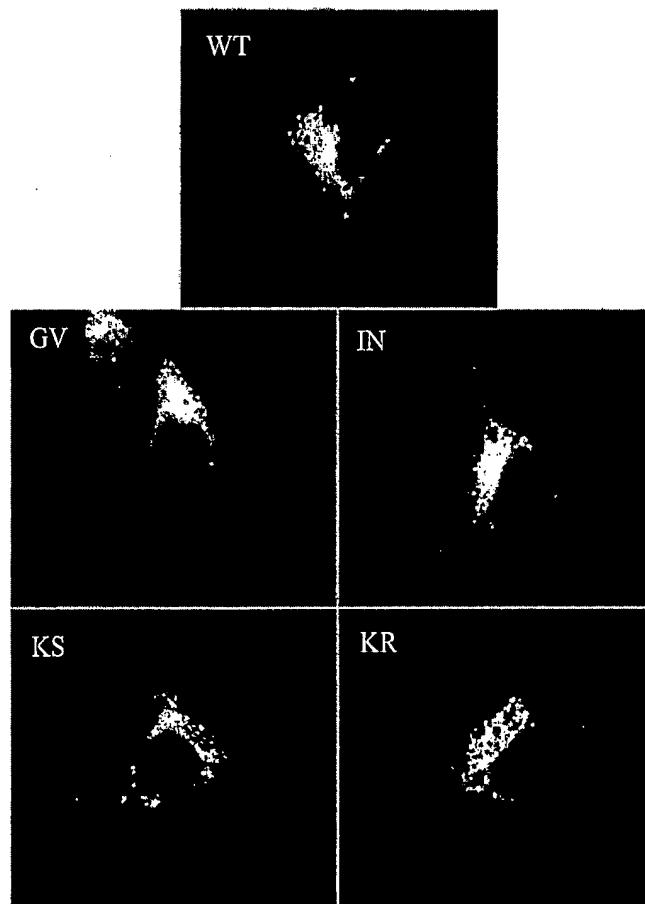
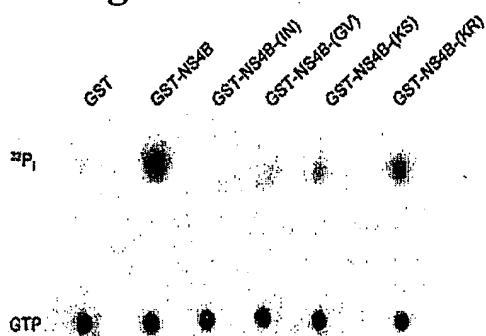
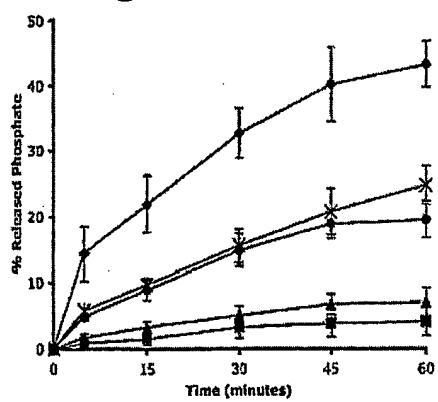


Fig. 4

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Fig. 5A**Fig. 5B****Figs. 5A and 5B**

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Fig. 6A

NBM protein consensus	G	X1	X2	X3	X4	G	K
NS4B consensus:	G	S	I	G	L	G	K
Genotype 1b:	G	S	I	G	L	G	K

Fig. 6B

Engineered mutations in HCV replicon

<u>V</u>	S	I	G	L	G	K (G129V)
G	S	<u>N</u>	G	L	G	K (I131N)
G	S	I	G	L	G	<u>S</u> (K135S)
G	S	I	G	L	G	<u>R</u> (K135R)

Figs. 6A and 6B

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Fig. 7A

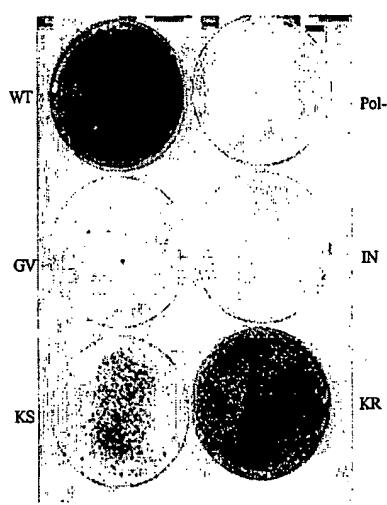
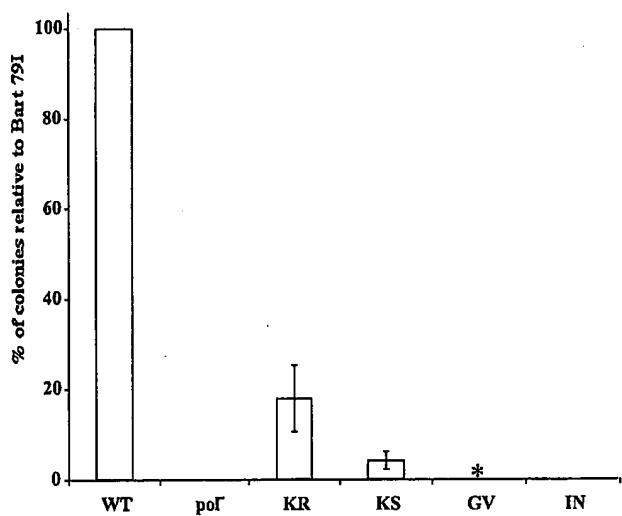


Fig. 7B



Figs. 7A and 7B

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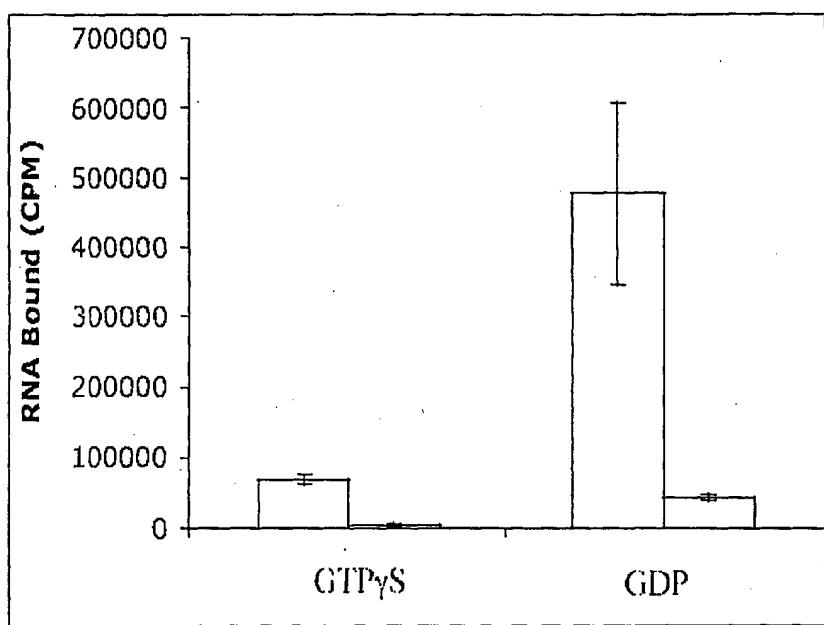


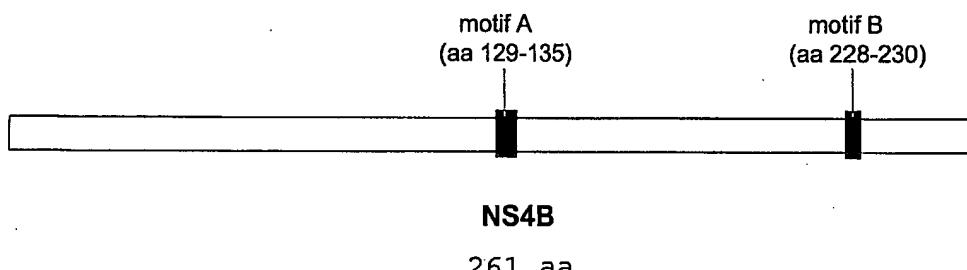
Fig. 8

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Location of motifs A and B of NS4B's NBM

Fig. 9